

Title (en)

Power supply system for a vehicle with a low voltage distribution network and a high voltage distribution network

Title (de)

Energieversorgungssystem für ein Kraftfahrzeug mit einem Niederspannungsbordnetz und mit einem Höberspannungsbordnetz

Title (fr)

Système d'alimentation pour un véhicule avec un réseau de distribution de bord à tension basse et un réseau de distribution de bord à tension élevée

Publication

**EP 1162712 A3 20050706 (DE)**

Application

**EP 01113154 A 20010530**

Priority

DE 10028748 A 20000610

Abstract (en)

[origin: JP2002036979A] PROBLEM TO BE SOLVED: To improve a short circuit characteristic resistance and an electromagnetic field adaptation for an energy supply system, which has a constitution comprising mounted electric circuits for a plurality of voltages. SOLUTION: For the improvement of the energy supply system, at least each minus joint 9 or plus joint 2 for a high output consumption units 4 in the higher voltage mounted electric circuit is connected to each minus joint 19 or plus joint 10 in the lower voltage mounted electric circuit, via a lumped method joint conductor 16 having a controllable switch 17. Also, means 8; 18 for measuring a voltage U1 of the low voltage mounted electric circuit is provided in the energy supply system, and the controllable switch 17 is to be opened when the voltage value of U1 surpasses a prescribed voltage threshold.

IPC 1-7

**H02J 7/14**

IPC 8 full level

**B60R 16/033** (2006.01); **H02H 3/20** (2006.01); **H02J 7/14** (2006.01)

CPC (source: EP US)

**H02J 7/1423** (2013.01 - EP US); **H02H 3/202** (2013.01 - EP US)

Citation (search report)

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- [A] US 5164655 A 19921117 - HEAVEY FREDERICK D [US]
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- [A] WITEHIRA P: "INTERLLIGENT AUTOMOTIVE BATTERY SYSTEMS", JOURNAL OF POWER SOURCES, ELSEVIER SEQUOIA S.A. LAUSANNE, CH, vol. 42, no. 1/2, 29 January 1993 (1993-01-29), pages 195 - 209, XP000409225, ISSN: 0378-7753

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DOCDB simple family (application)

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